

APPENDIX

ECONOMIC INDICATORS

Table A1

	Principal Domestic Exports, 1981-91: Fiji										
	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
	F\$'000	F\$'000	F\$'000	F\$'000	F\$'000	F\$'000	F\$'000	F\$'000	F\$'000	F\$'000	F\$'000
Sugar	131 561	125 076	111 935	109 955	111 828	133 716	186 158	198 347	228 286	223 669	220 400
Coconut Oil	6 355	6 165	10 579	18 467	7 636	3 909	3 022	3 423	5 270	4 919	2 338
Gold	11 872	15 579	16 846	20 497	21 821	38 632	50 557	81 519	76 197	75 832	46 612
Cement	69	10	127	395	714	200	291	462	2 060	3 347	1 865
Fish, prepared & preserved	16 328	9 130	15 824	14 362	10 885	16 680	20 782	39 757	39 509	39 228	35 739
Other fish	487	266	198	710	800	1 486	4 285	8 458	5 338	10 043	10 895
Lumber	1 756	1 643	1 812	4 387	3 052	3 949	10 724	18 684	13 222	15 219	7 558
Ginger	2 036	2 894	1 937	2 004	2 230	3 001	2 797	3 202	3 631	5 624	6 425
Molasses	9 620	5 082	3 171	6 678	6 486	7 913	10 559	11 375	9 871	6 436	13 300
Bakery products	845	885	1 131	1 204	1 090	1 174	1 098	1 768	2 133	2 134	1 593
Paints	266	465	509	402	512	602	716	973	575	991	1 142
Veneer sheets	1 655	1 762	2 179	2 873	2 785	2 325	3 069	4 417	4 326	1 495	-
Garments	-	-	-	-	-	4 863	8 804	30 118	99 261	115 774	131 123
Other domestic	10 885	12 242	11 627	15 933	20 791	23 416	31 229	44 712	62 849	102 690	75 795
Total domestic exports	193 735	181 199	177 875	197 867	190 630	241 866	334 091	447 215	552 438	607 401	554 785

Source : Treadgold, M. (1992), *The economy of Fiji: Performance, management and prospects*, AIDAB.

Table A2

Exports Classified By Commodity, 1990-92: PNG
(current prices, kina million)

	1990	1991	1992
Minerals	673.5	843.7	1319.5
Gold	336.8	559.7	711.9
Copper	289.4	256.8	261.1
Silver	17.3	27.2	20.4
Oil	-	-	326.1
Agriculture	193.3	212.9	250.3
Coffee	90.0	96.0	115.2
Cocoa	29.8	36.1	37.1
Copra	10.4	8.5	8.5
Coconut oil	12.3	11.5	13.3
Palm oil	36.8	45.5	59.3
Rubber	2.2	2.4	2.7
Tea	8.6	8.4	9.0
Other	3.3	4.5	5.3
Forestry	91.0	97.6	109.0
Logs	84.5	90.9	101.9
Other	6.5	6.7	7.1
Marine	13.5	14.0	14.6
Other	79.0	85.0	90.2
Total	1050.3	1253.2	1783.6

Source: Stein, L., (1991), *Papua New Guinea: Economic Situation and Outlook*, AIDAB.

Table A3

Factor Inputs for Fiji			
Year	Labour ('000s) millions)	Capital Stock (F\$ millions)	Exports (F\$)
	(a)		(b)
1967	-	1363.5	218.2
1968	-	1392.3	248.6
1969	-	1458.7	266.6
1970	51.6	1519.8	284.7
1971	57.0	1578.3	282.1
1972	58.4	1660.7	320.6
1973	61.5	1745.1	353.0
1974	67.0	1831.1	392.7
1975	70.0	1890.7	345.4
1976	70.2	1961.9	311.4
1977	72.4	2041.3	384.0
1978	76.6	2142.1	380.1
1979	78.5	2237.9	452.3
1980	80.5	2427.2	477.5
1981	81.4	2619.0	449.9
1982	78.3	2846.7	425.2
1983	80.1	2955.1	410.6
1984	78.6	3007.0	437.3
1985	81.1	3049.9	434.9
1986	80.0	3084.5	440.4
1987	77.6	3122.6	443.5
1988	77.7	3123.5	540.7
1989	88.2	3115.3	664.6
1990	89.0	3123.3	758.3
1991	90.1	3192.9	708.4

Source: (a) ADB, (1984, 1986, 1988, 1991), *Key Indicators of Developing Asia and Pacific Countries*.

(b) IMF, (1992, 1993), *International Financial Statistics Yearbook*.

Note: 1. Employment figures are used as a proxy for labour force
 2. Capital stock figures generated by a method suggested by Treadgold (1992).
 3. Values expressed in 1980 prices.

Table A4

Factor Inputs for Papua New Guinea			
Year	Labour ('000s) (a)	Capital Stock (in millions of kina)	Exports (in millions of kina) (b)
1967	2256	2944.1	154.8
1968	2311	3023.1	185.1
1969	2367	3187.6	192.4
1970	2422	3517.6	202.04
1971	2482	3899.1	234.7
1972	2542	4090.2	303.7
1973	2603	4112.2	464.0
1974	2665	4178.5	810.7
1975	2729	4290.1	660.5
1976	2794	4371.2	529.1
1977	2861	4483.8	697.8
1978	2928	4609.0	655.5
1979	2998	4772.5	772.9
1980	3070	4964.6	747.0
1981	3143	5180.1	658.9
1982	3225	5469.9	636.1
1983	3302	5761.0	694.7
1984	3380	6002.9	760.5
1985	3460	6009.7	843.1
1986	3541	6203.1	901.9
1987	3622	6297.9	934.7
1988	3704	6536.6	880.1
1989	3788	6673.3	811.2
1990	3875	6812.2	785.6
1991	3964	7075.4	904.4

Source: (a) World Bank, (1988, 1993), *World Tables*.
 (b) IMF, (1992), *International Financial Statistics Yearbook*.

Note: 1. Population is used as a proxy for labour force
 2. Capital stock figures generated by a method suggested by Treadgold (1992).
 3. Values in 1980 prices.

Table A5

Gross Domestic Product		
Year	Fiji	Papua New Guinea
1967	454.5	956.0
1968	485.7	992.6
1969	492.8	1035.1
1970	554.6	1116.9
1971	590.8	1231.4
1972	637.4	1304.5
1973	718.6	1382.7
1974	737.3	1483.1
1975	737.9	1515.4
1976	757.8	1489.4
1977	803.2	1436.8
1978	817.7	1437.2
1979	916.1	1566.6
1980	901.0	1598.1
1981	954.5	1585.7
1982	944.0	1539.8
1983	907.1	1646.7
1984	982.5	1793.3
1985	937.5	1886.0
1986	1009.9	1972.6
1987	942.8	2084.2
1988	951.8	1850.9
1989	1063.9	1782.3
1990	1116.7	1727.7
1991	1115.7	-

World Bank, (1988, 1993) *World Tables*, Washington D.C.

Note: Values expressed in 1980 prices

REFERENCES

- Ahmad, J. (1978), *Import Substitution, Trade & Development*, Concordia University, Greenwich.
- Appleyard, D.R. & Field, (1992), *International Economics*, Irwin, Homewood.
- Asian Development Bank (ADB), (1990, 1991), *Key Indicators of Developing Asian & Pacific Countries*, Manila.
- _____, (1991, 1992), *Asian Development Outlook*, Singapore.
- Athukorala, P. & Hazari, B., (1988), "Market Penetration of Manufactured Imports from Developing Countries: The Australian Experience", *Journal of World Trade* 22(2), 49-65.
- Balassa, B., (1964), *Trade Prospects for Developing Countries*, Irwin, Illinois.
- _____, (1978), "Exports & Economic Growth: Further Evidence" *Journal of Development Economics* 5(2), 181-189.
- _____, (1985), "Exports, Policy Choices and Economic Growth in Developing Countries after the 1973 Oil Shock" in *Journal of Development Economics* 18(1), 23-35.
- _____, (1989), *Comparative Advantage, Trade Policy and Economic Development*, Harvester Wheatsheaf, New York.
- _____, (1991), *Economic Policies in the Pacific Area Developing Countries*, Macmillan, London.
- Baldwin, G.B., (1978), *Papua New Guinea: Its Economic situation and prospects for development*, A World Bank Country Economic Report, Washington D.C.
- Berill, K., (1960), "International Trade and the Rate of Economic Growth" in *The Economic History Review* 12(3), 351-359.

- Bhagwati, J.N., (1990), "Export-Promoting Trade Strategy: Issues and Evidence" in *Export Promotion Strategies*, ed. Chris Milner, Harvester Wheatleaf, London, 11-39.
- Browne,C. & Scott, D.A., (1989), *Economic Development in Seven Pacific Island Countries*, International Monetary Fund, Washington, D.C.
- Cole, R.V., & Hughes, H., (1988), *The Fiji Economy, May 1987: Problems and Prospects*, Pacific Policy Paper No.4, National Centre for Development Studies, The Australian National University, Canberra.
- Cole, RV & Parry, TG (ed), (1986), *Selected Issues in Pacific Island Development*, Pacific Policy Papers No.2, National Centre for Development Studies.
- Corden, W.M., (1974), "The Effects of Trade on the Rate of Growth" in Bhagwati, J. et al. (eds), *Trade, Balance of Payments and Growth*, North-Holland Publishers, Amsterdam, 117-143.
- _____, (1991), *Recent developments in the Theory of International Trade*, Special Papers in International Economics No.7, Princeton University Press, New Jersey.
- De Vries, B.A., (1967), *Export Experiences of Developing Countries*, Johns Hopkins Press, Baltimore.
- Douglas, N. & Douglas, N. (1989), *Pacific Islands Yearbook*, 16th edition, Pacific Publications, Sydney.
- Edwards, S., (1992), "Trade Orientation, Distortions and Growth in Developing Countries" in *Journal of Development Economics* 39(1), 31-57.
- Economic Planning Staff, (1973), "International Trade: A Background Paper" ed. P. Streeten *Trade Strategies for Development*, Macmillan Press Ltd., London, 321-351.
- Emery, R.F., (1967), "The Relation of Exports & Economic Growth", *Kyklos* 20(2), 470-486.

Evans, D.H., (1990), "Outward Orientation: An Assessment" in *Export Promotion Strategies*, ed Chris Milner Harvester Wheatsheaf, London, 40-58.

Fairbairn, T.I. & Kakazu, H., (1985), "Trade and Diversification in Small Island Economies with Particular Emphasis on the South Pacific", *Singapore Economic Review* 30(2), 17-35.

Fallon, J., (1992), *The Papua New Guinea Economy: Prospects for Recovery*, International Development Issues No.27, AIDAB, AGPS, Canberra.

Feder, G., (1982), "On Exports & Economic Growth", *Journal of Development Economics* 12(1), 59-73.

Flemming, E.M. & Piggott, R.R., (1985), "Analysis of Export Earnings Instability in the South Pacific Region", *Singapore Economic Review* 30(1), 15-33.

Goodman, R., Lepani, C., & Morawitz, D., (1985), *The Economy of Papua New Guinea: An Independent Review*, Development Studies Centre, The Australian National University, Canberra.

Granger, C.W.J. & Newbold, P., (1974), "Spurious Regressions in Econometrics" in *Journal of Econometrics* 92(3), 11-20.

Greenaway, D. & Reed, G., (1990), "Empirical Evidence on Trade Orientation and Economic Performance in Developing Countries" *Export Promotion Strategies*, ed Chris Milner, Harvester Wheatsheaf, London, 59-77.

Greene, W.H., (1993), *Econometric Analysis*, 2nd edition, Maxwell Macmillan International Publishing Group, Toronto.

Griffiths, W., R. Carter Hill and George G. Judge, (1993), *Learning and Practicing Econometrics*, John Wiley & Sons, New York.

Griffiths, W.E. & Chotikapanich, D., (1993), *Learning Shazam: A Computer Handbook for Econometrics*, John Wiley & Sons, Brisbane.

Hagen, E., Everett & Oli Hawrylyshyn, (1969), "Analysis of World Income and Growth, 1955-1965, *Economic Development and Cultural Change* 18(1), 1-96.

Hahn, F.H., & Matthews, R.C., (1964), "The Theory of Economic Growth: A Survey, *Economic Journal* 74(2), 779-902.

Hamilton, C., (1989), "The Irrelevance of Economic Liberalisation in the Third World" *World Development* 17(10), 1523-1530.

Helleiner, G.K., (1972), *International Trade and Economic Development*, Penguin Books Ltd., Harmondsworth.

_____, (1992), *Trade Policy, Industrialisation, and Development: New Perspectives* /edited by G.K. Helleiner, Clarendon Press, Oxford.

Heller, P.S., & Porter, R.C., (1978), "Exports and Growth : An Empirical Re-Investigation" *Journal of Development Economics* 5(2), 191-193.

Hill, H. & Phillips, P., (1993), "Trade is a Two-Way Exchange: Rising Import Penetration in East Asia's Export Economies" , *The World Economy* 16(6), 687-696.

International Monetary Fund (IMF), (1993), *International Financial Statistics Yearbook*, Washington D.C.

Jarrett, F., Anderson, K. & Nguyen, D.T., (1990), *Papua New Guinea: Economic Situation and Outlook*, International Development Issues No.11, AIDAB, AGPS, Canberra.

Johnson, H.G., (1971), "The Theory of Trade and Growth: A Diagrammatic Analysis" in Bhagwati J et al. (eds), *Trade, Balance of Payments and Growth*, North-Holland Publishers, Amsterdam, 144-167.

_____, (1991), *New Trade Strategy for the World Economy*, Compton Printing Ltd., London.

Judge, G., Griffiths, W., Hill, C., & Lee, (1988), *Introduction to the Theory & Practice of Econometrics*, John Wiley & Sons, New York.

Jung, W.S. & Marshall, P.J., (1985), "Exports, Growth & Causality in Developing Countries" , *Journal of Development Economics* 18(1), 1-12.

Kavoussi, R.M., (1984), "Export Expansion and Economic Growth: Further Empirical Evidence" in *Journal of Development Economics* 14(1), 241-250.

_____, (1985), "International Trade & Economic Development: The Recent Experience of Developing Countries" *The Journal of Developing Areas* 19(3), 379-392.

Kmenta, J., (1986), *Elements of Econometrics*, 2nd edition, Macmillan Publishing Company, New York.

Kravis, I.B., (1970), "Trade as a Handmaiden of Growth: Similarities between the 19th and 20th Centuries", *Economic Journal* 80(1), 850-872.

Krueger, A.O., (1985), "Importance of General Policies to Promote Economic Growth", *World Economy* 8(2), 93-108.

_____, Ossa, F. & Corbo, V., (1985), *Export-Oriented Development Strategies: the Success of five Newly Industrialising Countries*, Westview Press, Boulder.

Koutsoyiannis (1977), *Theory of Econometrics*, 2nd edition, Macmillan Press Ltd., London.

Lall, S. & Stewart, F. (Ed), (1986), *Theory & Reality in Development*, Macmillan Press Ltd., London.

Levacic, R., & Rebmann, A., (1982), *Macroeconomics: an Introduction to Keynesian-Neoclassical Controversies*, 2nd edition, Macmillan, London.

Lewis, W.A., (1980), "The Slowing Down of the Engine of Growth" *The American Economic Review* 70(4), 555-564.

Lodewijks, J. & Zerby, J. (1989), "Trade Patterns in the South Pacific Economies" in *Recent Developments in the South Pacific Island Economies*, Research Report Series, University of New South Wales, Sydney.

_____, & Lee, C., (1989), "Recent Economic Developments in the Papua New Guinea Economy" , eds. J. Lodewijks and J. Zerby, Research Report Series, *Recent Developments in the South Pacific Island Economies*, University of New South Wales, Sydney, 39-49.

_____, Mahony, G. & Lee, C., (1989), "Recent Developments in the Fijian Economy" , eds. J. Lodewijks and J. Zerby, Research Report Series, *Recent Developments in the South Pacific Island Economies*, University of New South Wales, Sydney, 50-66.

Macomber, J.D., (1987), "East Asia's Lessons for Latin American Resurgence" *The World Economy* 10(4), 469-482.

Maizels, A., (1968), "The effects of Industrialisation on exports" in *Economics of Trade & Development*, John Wiley & Sons, London.

_____, (1968), *Exports & Economic Growth in Developing Countries*, Cambridge University Press, London.

Meir, G.M., (1984), *Leading Issues in Economic Development*, 4th edition, Oxford University Press, New York.

Michaely, M., (1977), Exports & Growth: An Empirical Investigation" *Journal of Development Economics* 4(1), 49-54.

Morgan, T., (1975), *Economic Development : Concept and Strategy*, Harper & Row Publishers, New York.

_____, & George W. Betz, (1970), *Economic Development : Readings in Theory and Practice*, Wadsworth Publishing Co., Belmont.

Morton, K. & Tulloch, P. (1977), *Trade and Developing Countries*, Croom Helm Ltd., London.

Moschos, D., (1989), "Export Expansion, Growth & the Level of Economic Development: An Empirical Analysis" in *Journal of Development Economics* 30(16), 93-102.

Nurkse, R., (1959), *Patterns of Trade and Development*, Wicksell Lectures, Almqvist & Wiksell Press, Stockholm.

Pindyck, R.S. & Rubinfeld, D.L., (1991), *Econometric Models and Economic Forecasts*, McGraw-Hill, New York.

Pomfret, R., (1991), *International Trade: An Introduction to Theory and Policy*, Basil Blackwell, Oxford.

Sachs, I., (1973), "Outward Looking Strategies: A Dangerous Illusion?", *Trade Strategies for Development*, ed. P. Streeten, Macmillan Press Ltd, London.

Salvatore, D., (1987), *International Economics*, 2nd edition, Macmillan Publishers, New York.

Singer, H.W., (1988), "The World Development Report 1987 on the Blessings of 'Outward Orientation': A Necessary Correction", *Journal of Development Issues* 24(2), 232-236.

Sirc, L., (1973), *Outline of International Trade: Commodity flows & Division of Production Between Countries*, Redwood Press Ltd., London.

Smith, S. and Toye, J. (Eds), (1979), *Trade and Poor Economies*, Frank Cass & Co. Ltd., London.

Stein, L., (1991), *Papua New Guinea: Economic Situation & Outlook*, International Development Issues No. 16, Australian Publishing Service, Canberra.

Thirlwall, A.P., (1978), *Growth & Development with Special Reference to Developing Countries*, Macmillan, London.

Thomas, H.C., (1988), *A Study of Trade among Developing Countries, 1950-1980: An Appraisal of the Emerging Pattern*, Elsevier Science Publishers, New York.

Treadgold, M., (1992), *The Economy of Fiji: Performance Management & Prospects*, AIDAB, International Development Issues No. 16, Australian Publishing Service, Canberra.

Tussie, D., (1987), *The Less Developed Countries and the World Trading System: A Challenge to the GATT*, Frances Printer (Publishers) Ltd., London.

Tyler, W.G., (1981), "Growth & Export Expansion in Developing Countries: Some Empirical Evidence" , *Journal of Development Economics* 9(3), 121-130.

United Nations, (1991, 1992), *Economic and Social Survey of Asia and the Pacific*, New York.

White, KJ et al., (1990), *Shazam: Econometrics Computer Program, User's Reference Manual*, Version 7.0, McGraw-Hill.

Woodland, A.D., (1982), *International Trade & Resource Allocation*, Advanced Textbooks in Economics, vol. 19, North-Holland Publishers, Amsterdam.

World Bank, (1988, 1993), *World Tables*, Johns Hopkins University Press, Baltimore.

_____, (1987), *World Development Report*, Oxford University Press, Oxford.